

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L21	22597	(suppress\$3 or eliminat\$3 or subtract\$3 or reduc\$3) with (noise or interference).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 16:06
L22	1401	(375/347).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/18 16:06
L23	93	21 and 22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 16:07
L24	17432	((side or main) near3 (lobe or beam)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 16:08
L25	1	23 and 24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 16:08
L26	74059	((side or main) and (lobe or beam)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 16:08
L27	1	23 and 26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 16:08
L28	72073	(auxiliary).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 16:10

## EAST Search History

L29	4	23 and 28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 16:10
L30	1	((DAVID) near2 (ORLIN)).INV.	US-PGPUB; USPAT	OR	ON	2007/06/18 16:11
L31	0	((DAVID) near2 (ORLIN)).INV.	EPO; JPO; DERWENT	OR	ON	2007/06/18 16:11
S1	11	US-3763490-\$.DID. OR US-4536887-\$.DID. OR US-4802227-\$.DID. OR US-4956867-\$.DID. OR US-5349567-\$.DID. OR US-5473701-\$.DID. OR US-5475761-\$.DID. OR US-5581495-\$.DID. OR US-5627799-\$.DID. OR US-5825898-\$.DID. OR US-6058075-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 09:40
S2	3	US-6252540-\$.DID. OR US-6408978-\$.DID. OR US-6449586-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 09:44
S3	5	2002/0152253 2002/0198914 2002/0065262	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 12:08
S4	4	("4536887"   "4802227"   "5473701"   "5475761").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 12:36
S5	4	("4536887"   "4802227"   "5473701"   "5475761").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 12:48

## EAST Search History

S6	72	("4239936"   "4363007"   "4409435"   "4442546"   "4459851"   "4495643"   "4517415"   "4559642"   "4581758"   "4589137"   "4622692"   "4628529"   "4653102"   "4653606"   "4658426"   "4696043"   "4718096"   "4731850"   "4741038"   "4750207"   "4769847"   "4802227"   "4811404"   "4910718"   "4910719"   "4932063"   "4937871"   "4956867"   "4965834"   "5075694"   "5086415"   "5142585"   "5192918"   "5208864"   "5212764"   "5241692"   "5313555"   "5319736"   "5335011"   "5353376"   "5381473"   "5412735"   "5416845"   "5416847"   "5416887"   "5432859"   "5473701"   "5473702"   "5485515"   "5511128"   "5515378"   "5524056"   "5524057"   "5546090"   "5581620"   "5592181"   "5592490"   "5615175"   "5625697"   "5625880"   "5627799"   "5627999"   "5642353"   "5644641"   "5657393"   "5664021"   "5668747"   "5673325"   "5689572"   "5701344"   "5715319"   "5727073").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 12:57
S7	5082	(375/346 or 375/347 or 455/132 or 455/296).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 12:59
S8	251950	(pair\$3 or two) with (sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 13:05

## EAST Search History

S9	6804	(delta) with (matri\$3 or vector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 13:09
S10	215559	(suppress\$3 or eliminat\$3 or subtract\$3) with (noise or interference)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 13:44
S11	5108	(main near2 beam) and (side near2 beam)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 13:08
S12	1	S9 and S10 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 13:08
S13	15071	(delta) same (matri\$3 or vector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 13:09
S14	9	S10 and S11 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 13:44
S15	494925	(suppress\$3 or eliminat\$3 or subtract\$3 or reduc\$3) with (noise or interference)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 16:06
S16	2428	S7 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 13:45

## EAST Search History

S17	5	S11 and S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 13:45
S18	487949	(suppress\$3 or eliminat\$3 or reduc\$3) with (noise or interference) (subtract\$3) with (main near2 beam)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 14:01
S19	377767	(suppress\$3 or eliminat\$3 or reduc\$3) near3 (noise or interference) (subtract\$3) near3 (main near2 beam)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 13:55
S20	288408	(sum\$3 or add\$3 or combin\$3) near3 (auxiliary or delta or weight\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 13:53
S21	1098	S19 same S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 13:55
S22	2394	(main near lobe) and (side near lobe)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 13:57
S23	15	(S11 or S22) and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 13:58
S24	6	(suppress\$3 or eliminat\$3 or reduc\$3 or cancel\$3 or cancelling) with (noise or interference) with (subtract\$3) with (main near2 (beam or lobe))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 14:04

## EAST Search History

S25	63	(suppress\$3 or eliminat\$3 or reduc\$3 or cancel\$3 or cancelling) same (noise or interference) same (subtract\$3) same (main near2 (beam or lobe))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 14:04
S26	4	("3202991"   "3500303").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 14:23
S27	0	jp-19980107315-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 17:34
S28	0	jp-1998107315-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 17:34
S29	2	("11308130").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/29 09:36
S30	2	("6825808").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/29 09:43
S31	6	("20020171583"   "4316191"   "6130643"   "6222498"   "6462709"   "6486828").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/29 09:37
S32	8422	(null or zero) with (auxiliary)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 10:13

## EAST Search History

S33	23	(US-5825898-\$ or US-5627799-\$ or US-6449586-\$ or US-4956867-\$ or US-3763490-\$ or US-5644641-\$ or US-5192918-\$ or US-4696043-\$ or US-4931977-\$ or US-4672378-\$ or US-6167286-\$ or US-5926135-\$ or US-5689528-\$ or US-5371506-\$ or US-5369412-\$ or US-H000739-\$ or US-4791390-\$ or US-4495502-\$ or US-6166689-\$ or US-6825808-\$).did. or (EP-602615-\$).did. or (JP-11308130-\$).did. or (JP-11308130-\$).did.	USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/29 10:13
S34	3	S32 and S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 10:18
S35	3	("3202990").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/29 12:53
S36	12351499	(pair\$3 or two or more)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 13:00
S37	3641	S32 same S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 12:55
S38	0	S33 and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 12:55
S39	63	(suppress\$3 or eliminat\$3 or reduc\$3 or cancel\$3 or cancelling) same (noise or interference) same (subtract\$3) same (main near2 (beam or lobe))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 12:55

## EAST Search History

S40	4	S39 and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 12:57
S41	5082	(375/346 or 375/347 or 455/132 or 455/296).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 12:57
S42	5	S41 and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 12:57
S43	58	S36 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 13:28
S44	81097	(combin\$3 or add\$3) with (pair\$3 or two) with (signal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 13:29
S45	4	S33 and S44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 14:26
S46	35812	(difference or subtract\$ or change or delta) with (auxiliary)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 14:14
S47	22	S41 and S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 16:06



## EAST Search History

S48	18240	(difference or subtract\$ or change or delta or compar\$3) near5 (auxiliary)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 14:15
S49	5	S33 and S48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/29 14:26
S50	1	((DAVID) near2 (ORLIN)).INV.	US-PGPUB; USPAT	OR	ON	2007/01/30 09:41
S51	0	((DAVID) near2 (ORLIN)).INV.	EPO; JPO; DERWENT	OR	ON	2007/01/30 09:41